Public Works Landfill Project Public Transit (PART)

Government Academy Presentation
Thursday, February 17, 2011

Departmental Overview

- Administration
- Engineering
- Building/Facility Maintenance
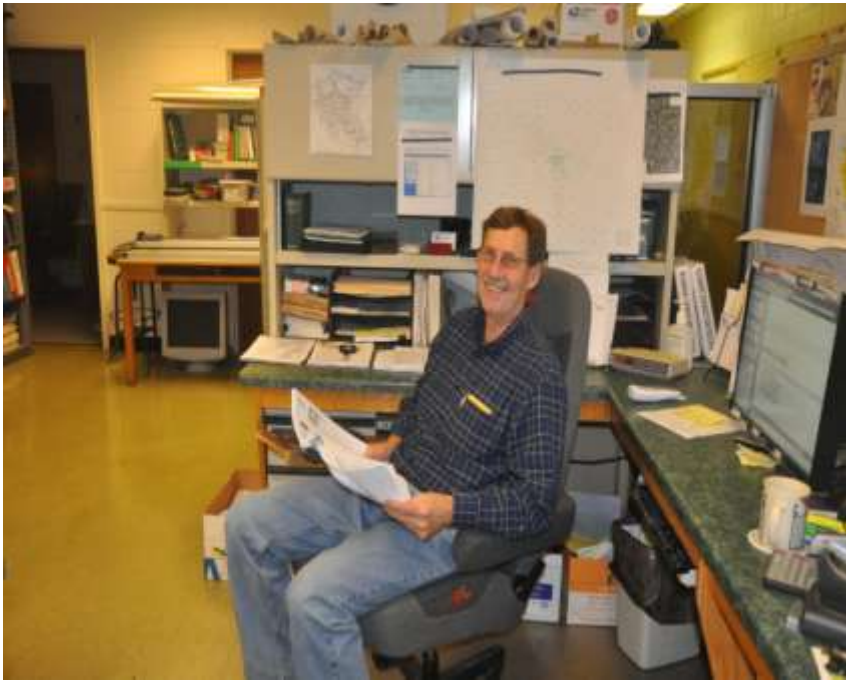- Street Maintenance
- Street Construction
- Refuse
- City Garage

Administrative Functions

- PW Director also serves as Asst. City Manager, providing oversight of Electric, Water/Sewer (now Utilities), MIS, Parks & Recreation, and Mustangs Baseball
- For Public Works, administrative functions includes budgeting, project management, personnel, departmental communications, policy development & procedures, etc.

Engineering

- Office provides technical assistance to other City departments
- Maps, project plans and specifications, assistance with construction projects
- Maintains Geographic Information System
- Deeds, survey plats, easements, right of way issues

Weldon Reynolds & Chris Morris make up the Engineering Team

Building/Facility Maintenance

- Maintenance of City Municipal Bldg.
- Provides maintenance assistance at other facilities – Farmer's Market, other City owned buildings (WPBDC, Henry Hotel)
- Staff includes Bldg. Maintenance Supervisor and Custodial personnel

Street Maintenance

- Street maintenance operations include 4 separate divisions. City has approximately 100 centerline miles of streets/223 lane miles
- City reimbursed by VDOT/State ($2.7M)
- Street Maintenance – asphalt patching, repairs, and paving; concrete work; grading; emergency work/snow removal; drainage
- Decision process on snow removal/paving

Street Marking/Signs

- Installation and maintenance of traffic signs
- Approximately 3,500 signs; must meet FHWA and VDOT standards on size, materials.
- Reflectivity of signs required
- Installs all traffic lines, markings, painting.
- Traffic control for projects, events
- Guardrail maintenance/installation

Street Cleaning

- Responsible for mowing along medians, shoulders, rights of way.
- Spraying, litter pickup
- Assists with maintenance on landscaped areas
- Leaf pickup
- Operates Street Sweeper
- <u>Mowing and Sweeping Schedule – describe</u>

Traffic Signals

▸ Responsible for maintenance of approximately 60 signalized intersections – bulb replacement, pedestrian signals, detector/camera maintenance, etc.

▸ Signals crew also handles City's fiber optic network and telephone system

▸ Installation of signals/warrants – describe

Traffic Signal and MiNet Team

Street Construction

- New construction projects – installation of sidewalk, curb and gutter, street widening, street extensions
- Coordination with VDOT on state funded projects

Refuse

- Includes collection and disposal
- City divided into 4 collection zones – Tuesday through Friday. 2 collection crews utilized
- Approximately 6000 residential customers
- Provides dumpster collection
- Bulk trash collection
- Disposal at Transfer Station (landfill site)
- Maintains landfill site

City Garage

- Provides maintenance on most City vehicles, equipment, and school buses.
- Approximately 400 items (cars, trucks, buses, heavy equipment, etc) and approximately 50 small items (mowers, air compressors, etc.)

Landfill Project

- Utilize methane generated from the closed City landfill to produce revenue.
- Landfill closed in 2005. Installed gas collection system during 2010; began flaring gas in May, 2010. Carbon credits are being generated as a result of the destruction of the landfill gas.
- Collected gas will be used as fuel in an approx. 1 MW generator, scheduled for late 2011. City received $1M DMME grant for project.

Landfill Project cont.

- Possible to generate revenue from three sources – sale of carbon credits; electricity generation; and renewable energy credits.
- Impact to the City estimated at approximately $0.5 M/year, depending on market conditions.

PART

- Piedmont Area Regional Transit
- Managed by RADAR, Roanoke, VA
- Deviated Fixed Route
- Currently operates two buses on a one hour route, from 7:30 am until 5:30 pm
- Avg. daily ridership is approx 70, with monthly ridership at 1300 to 1400.
- Cost is $0.50/trip.